

# **EXHIBIT A**

Display Settings: Summary, 20 per page, Sorted by Recently Added

## Results: 1 to 20 of 195

1. **Preclinical evaluation of a recombinant anti-prostate specific membrane antigen single-chain immunotoxin against prostate cancer.**  
Wolf P, Alt K, Wetterauer D, Bühler P, Gierschner D, Katzenwadel A, Wetterauer U, Elsässer-Beile U. *J Immunother.* 2010 Apr;33(3):262-71.  
PMID: 20445346 [PubMed - in process]
2. **[Targeted inhibition of rabies virus replication in vitro by single chain antibody domain mediated vector expression shRNA delivery]**  
Yang R, Cui Y, Yang S, Wang C, Shan H, Wang H, Xia X. *Wei Sheng Wu Xue Bao.* 2010 Feb 4;50(2):256-62. Chinese.  
PMID: 20387470 [PubMed - indexed for MEDLINE]
3. **Enhanced pancreatic cancer gene therapy by combination of adenoviral vector expressing c-erb-B2 (Her-2/neu)-targeted immunotoxin with a replication-competent adenovirus or etoposide.**  
Liu X, Li J, Tian Y, Xu P, Chen X, Xie K, Qiu Z, Wang Y, Zhang D, Wolf F, Li C, Huang Q. *Hum Gene Ther.* 2010 Feb;21(2):157-70.  
PMID: 19751100 [PubMed - indexed for MEDLINE]
4. **Caspase-8 for outer harmony.**  
Sollberger G, Beer HD. *Sci Signal.* 2009 Jul 7;2(78):pe40. Erratum in: *Sci Signal.* 2009 Aug 11;2(83):er6.  
PMID: 19584354 [PubMed - indexed for MEDLINE]
5. **Novel strategies to augment genetically delivered immunotoxin molecular therapy for cancer therapy.**  
Liu X, Wu J, Zhang S, Li C, Huang Q. *Cancer Gene Ther.* 2009 Nov;16(11):861-72. Epub 2009 May 22.  
PMID: 19461876 [PubMed - indexed for MEDLINE]
6. **New insights in bone biology: unmasking skeletal effects of the extracellular calcium-sensing receptor.**  
Brown EM, Lian JB. *Sci Signal.* 2008 Sep 2;1(35):pe40.  
PMID: 18765829 [PubMed - indexed for MEDLINE]
7. **Effect of LHRH-PE40 on target cells via LHRH receptors.**  
Deng X, Klussmann S, Wu GM, Akkerman D, Zhu YQ, Liu Y, Chen H, Zhu P, Yu BZ, Zhang GL. *J Drug Target.* 2008 Jun;16(5):379-88.  
PMID: 18569282 [PubMed - indexed for MEDLINE]
8. **Intraperitoneal administration of gonadotropin-releasing hormone-PE40 induces castration in male rats.**  
Yu L, Zhang ZF, Jing CX, Wu FL. *World J Gastroenterol.* 2008 Apr 7;14(13):2106-9.  
PMID: 18395915 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
9. **Anti-PSMA immunotoxin as novel treatment for prostate cancer? High and specific antitumor activity on human prostate xenograft tumors in SCID mice.**  
Wolf P, Alt K, Bühler P, Katzenwadel A, Wetterauer U, Tacke M, Elsässer-Beile U. *Prostate.* 2008 Feb 1;68(2):129-38.  
PMID: 18044731 [PubMed - indexed for MEDLINE]
10. **Chemotaxis: navigating by multiple signaling pathways.**  
Van Haastert PJ, Veltman DM. *Sci STKE.* 2007 Jul 24;2007(396):pe40. Review.  
PMID: 17652307 [PubMed - indexed for MEDLINE]
11. **Immunological hormone atrophy by gonadotropin-based drug.**  
Li J, Zhang J. *Int J Exp Pathol.* 2006 Dec;87(6):495-9.  
PMID: 17222217 [PubMed - indexed for MEDLINE]
12. **A recombinant protein LHRH-PE40 for tumour therapy: preclinical safety studies.**  
Li J, Sun Y, Zhang J. *Basic Clin Pharmacol Toxicol.* 2006 Dec;99(6):398-404.  
PMID: 17169119 [PubMed - indexed for MEDLINE]
13. **Gene control by large noncoding RNAs.**  
Shamovsky I, Nudler E. *Sci STKE.* 2006 Oct 3;2006(355):pe40. Review.

PMID: 17018852 [PubMed - indexed for MEDLINE]

14. **Anti-HIV-1 immunotoxin 3B3(Fv)-PE38: enhanced potency against clinical isolates in human PBMCs and macrophages, and negligible hepatotoxicity in macaques.**  
Kennedy PE, Bera TK, Wang QC, Gallo M, Wagner W, Lewis MG, Berger EA, Pastan I.  
*J Leukoc Biol.* 2006 Nov;80(5):1175-82. Epub 2006 Aug 21.  
PMID: 16923920 [PubMed - indexed for MEDLINE] [Free Article](#)
15. **[High level expression, purification and cytotoxicity of IL-10(18-57)-PE40]**  
Peng QS, Li YH, Zhu P.  
*Sheng Wu Gong Cheng Xue Bao.* 2006 Jan;22(1):87-93. Chinese.  
PMID: 16572846 [PubMed - indexed for MEDLINE]
16. **A recombinant PSMA-specific single-chain immunotoxin has potent and selective toxicity against prostate cancer cells.**  
Wolf P, Gierschner D, Bühler P, Wetterauer U, Elsässer-Beile U.  
*Cancer Immunol Immunother.* 2006 Nov;55(11):1367-73. Epub 2006 Mar 18.  
PMID: 16547705 [PubMed - indexed for MEDLINE]
17. **LHRH-PE40-Induced Vascular Leak Syndrome.**  
Li J, Zhang JK.  
*Toxicol Mech Methods.* 2006;16(8):473-6.  
PMID: 20021022 [PubMed - in process]
18. **Expression and targeting of interleukin-4 receptor for primary and advanced ovarian cancer therapy.**  
Kioi M, Takahashi S, Kawakami M, Kawakami K, Kreitman RJ, Puri RK.  
*Cancer Res.* 2005 Sep 15;65(18):8388-96.  
PMID: 16166317 [PubMed - indexed for MEDLINE] [Free Article](#)
19. **Embracing complexity, inching closer to reality.**  
Schadt EE, Sachs A, Friend S.  
*Sci STKE.* 2005 Aug 2;2005(295):pe40. Review.  
PMID: 16077086 [PubMed - indexed for MEDLINE]
20. **Clinical evaluation of BR96 sFv-PE40 immunotoxin therapy in canine models of spontaneously occurring invasive carcinoma.**  
Henry CJ, Buss MS, Hellström I, Hellström KE, Brewer WG, Bryan JN, Siegall CB.  
*Clin Cancer Res.* 2005 Jan 15;11(2 Pt 1):751-5.  
PMID: 15701865 [PubMed - indexed for MEDLINE] [Free Article](#)

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21. [Biochemical and physical properties for a recombinant IL6 Pseudomonas exotoxin fusion protein IL6D24-PE40KDEL]  
Cui JW, Guo SQ, Sun YY, Liu N, Liang F, Xi YZ.  
Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2004 Dec;12(6):825-8. Chinese.  
PMID: 15631670 [PubMed - indexed for MEDLINE]
22. The search for biomarkers of aging: next stop INK4a/ARF locus.  
Dimri GP.  
Sci Aging Knowledge Environ. 2004 Nov 3;2004(44):pe40. Review.  
PMID: 15525836 [PubMed - indexed for MEDLINE]
23. Ability of luteinizing hormone releasing hormone-Pseudomonas aeruginosa exotoxin 40 binding to LHRH receptor on human liver cancer cells.  
Gong SL, Zhao G, Zhao HG, Lu WT, Liu GW, Zhu P.  
World J Gastroenterol. 2004 Oct 1;10(19):2870-3.  
PMID: 15334689 [PubMed - indexed for MEDLINE] [Free Article](#)
24. Receptor-activated calcium entry channels--who does what, and when?  
Shuttleworth TJ.  
Sci STKE. 2004 Jul 20;2004(243):pe40. Review.  
PMID: 15280582 [PubMed - indexed for MEDLINE]
25. Potent receptor-mediated cytotoxicity of granulocyte colony-stimulating factor-Pseudomonas exotoxin, a fusion protein against myeloid leukemia cells.  
Oshima Y, Tojo A, Fujimura A, Niho Y, Asano S.  
Biochem Biophys Res Commun. 2004 Jun 25;319(2):582-9.  
PMID: 15178446 [PubMed - indexed for MEDLINE]
26. [Construction and expression of recombinant antibody/granzyme B containing truncated translocating peptide]  
Zhang L, Zhao J, Wang Z, Wen WH, Zhang YH, Wang CJ, Yang AG.  
Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2003 Sep;19(5):434-6. Chinese.  
PMID: 15169648 [PubMed - indexed for MEDLINE]
27. The cytokine receptor gp130: faithfully promiscuous.  
Müller-Newen G.  
Sci STKE. 2003 Sep 23;2003(201):PE40. Review.  
PMID: 14506288 [PubMed - indexed for MEDLINE]
28. [Molecular design and construction of IL6D24-PE40KDEL, a novel recombinant interleukin6-pseudomonas exotoxin fusion protein, having targeted cytotoxicity for leukemias expressing interleukin6 receptors]  
Zheng LY, Xi YZ, Kong FH, Cui JW, Liang F, Liu N, Sun YY, Guo SQ.  
Zhonghua Yi Xue Za Zhi. 2003 Jul 25;83(14):1246-50. Chinese.  
PMID: 12930640 [PubMed - indexed for MEDLINE]
29. [The Prediction of the Molecular Biology Characteristics of Recombinant Fusion Exotoxin B7-1-Linker-PE40 and B7-2-Linker-PE40]  
Zhang HL, Xi YZ, Kong FH, Chen RG, Yuan ZH, Liu N, Guan HR.  
Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2001 Dec;9(4):327-332. Chinese.  
PMID: 12578573 [PubMed - as supplied by publisher]
30. In vivo efficacy of anti-glycoprotein 41, but not anti-glycoprotein 120, immunotoxins in a mouse model of HIV infection.  
Pincus SH, Fang H, Wilkinson RA, Marcotte TK, Robinson JE, Olson WC.  
J Immunol. 2003 Feb 15;170(4):2236-41.  
PMID: 12574398 [PubMed - indexed for MEDLINE] [Free Article](#)
31. [Expression of alpha subunit for IL-6 receptor at mRNA and protein levels in human leukemic cells]  
Liu S, Xi YZ, Guo SQ, Liu N, Liang F, Jin L, Chen XG, Kong FH.  
Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2002 Feb;10(1):22-6. Chinese.  
PMID: 12513831 [PubMed - indexed for MEDLINE]
32. A mathematical model of the impact of infused targeted cytotoxic agents on brain tumours: implications for detection, design and delivery.  
Wein LM, Wu JT, Ianculescu AG, Puri RK.  
Cell Prolif. 2002 Dec;35(6):343-61.  
PMID: 12427253 [PubMed - indexed for MEDLINE]
33. A phase I trial of the single-chain immunotoxin SGN-10 (BR96 sFv-PE40) in patients with advanced solid tumors.

Posey JA, Khazaeli MB, Bookman MA, Nowrouzi A, Grizzle WE, Thornton J, Carey DE, Lorenz JM, Sing AP, Siegall CB, LoBuglio AF, Saleh MN.  
Clin Cancer Res. 2002 Oct;8(10):3092-9.  
PMID: 12374676 [PubMed - indexed for MEDLINE] Free Article

34. Id: a target of BMP signaling.  
Miyazono K, Miyazawa K.  
Sci STKE. 2002 Sep 24;2002(151):pe40. Review.  
PMID: 12297674 [PubMed - indexed for MEDLINE]
35. Targeting interleukin-4 receptors for effective pancreatic cancer therapy.  
Kawakami K, Kawakami M, Husain SR, Puri RK.  
Cancer Res. 2002 Jul 1;62(13):3575-80.  
PMID: 12097255 [PubMed - indexed for MEDLINE] Free Article
36. A divalent recombinant immunotoxin formed by a disulfide bond between the extension peptide chains.  
Park JH, Kwon HW, Chung HK, Kim IH, Ahn K, Choi EJ, Pastan I, Choe M.  
Mol Cells. 2001 Dec 31;12(3):398-402.  
PMID: 11804341 [PubMed - indexed for MEDLINE]
37. [The expression of interleukin-6 mRNA and autosecretion in human leukemic cells]  
Liu S, Xi Y, Guo S, Liu N, Tu M, Kong F.  
Zhonghua Nei Ke Za Zhi. 2000 Sep;39(9):611-3. Chinese.  
PMID: 11798529 [PubMed - indexed for MEDLINE]
38. Inhibitory effect of recombinant TGFalpha-PE40 on neointimal proliferation after arterial balloon injury.  
Wang B, Xu YH, Li YL, Zhang GY, Jiang WL, Rui YC, Wu ZG.  
Acta Pharmacol Sin. 2001 Jan;22(1):15-20.  
PMID: 11730555 [PubMed - indexed for MEDLINE]
39. The Cbl family: ubiquitin ligases regulating signaling by tyrosine kinases.  
Sanjay A, Horne WC, Baron R.  
Sci STKE. 2001 Nov 27;2001(110):pe40. Review.  
PMID: 11724969 [PubMed - indexed for MEDLINE]
40. A human immunodeficiency virus-transgenic mouse model for assessing interventions that block microbial-induced proviral expression.  
Schito ML, Kennedy PE, Kowal RP, Berger EA, Sher A.  
J Infect Dis. 2001 Jun 1;183(11):1592-600. Epub 2001 May 1.  
PMID: 11343207 [PubMed - indexed for MEDLINE]

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41. Inhibitory effect of recombinant TGF alpha-PE40 on vascular smooth muscle cell proliferation.  
Wang B, Guan ZJ, Zhang GY, Wu ZG, Xu YH, Jiang WL, Rui YC, Chu ZY, Zhongguo Yao Li Xue Bao. 1999 Sep;20(9):795-9.  
PMID: 11245086 [PubMed - indexed for MEDLINE]
42. Site-specific expression of transferrin receptor by human colon cancer cells directly correlates with eradication by antitransferrin recombinant immunotoxin.  
Shinohara H, Fan D, Ozawa S, Yano S, Van Arsdell M, Viner JL, Beers R, Pastan I, Fidler IJ. Int J Oncol. 2000 Oct;17(4):643-51.  
PMID: 10995873 [PubMed - indexed for MEDLINE]
43. Development of chimeric molecules for recognition and targeting of antigen-specific B cells in pemphigus vulgaris.  
Proby CM, Ota T, Suzuki H, Koyasu S, Gamou S, Shimizu N, Wahl JK, Wheelock MJ, Nishikawa T, Amagai M. Br J Dermatol. 2000 Feb;142(2):321-30.  
PMID: 10730768 [PubMed - indexed for MEDLINE]
44. Chimeric toxins targeted to the human immunodeficiency virus type 1 envelope glycoprotein augment the in vivo activity of combination antiretroviral therapy in thy/liv-SCID-Hu mice.  
Goldstein H, Pettoello-Mantovani M, Bera TK, Pastan IH, Berger EA. J Infect Dis. 2000 Mar;181(3):921-6.  
PMID: 10720513 [PubMed - indexed for MEDLINE]
45. Targeted Fc2'-3-PE40 chimeric protein abolishes passive cutaneous anaphylaxis in mice.  
Fishman A, Prus D, Belostotsky R, Lorberbaum-Galski H. Clin Exp Immunol. 2000 Mar;119(3):398-403.  
PMID: 10691909 [PubMed - indexed for MEDLINE]   [Free PMC Article](#)   [Free text](#)
46. A novel antigen-toxin chimeric protein: myelin basic protein-pseudomonas exotoxin (MBP-PE 40) for treatment of experimental autoimmune encephalomyelitis.  
Brenner T, Steinberger I, Soffer D, Beraud E, Ben-Nun A, Lorberbaum-Galski H. Immunol Lett. 1999 Jun;168(2-3):403-10.  
PMID: 10424450 [PubMed - indexed for MEDLINE]
47. Linker-based GnRH-PE chimeric proteins inhibit cancer growth in nude mice.  
Ben-Yehudah A, Yarkoni S, Nechushtan A, Belostotsky R, Lorberbaum-Galski H. Med Oncol. 1999 Apr;16(1):38-45.  
PMID: 10382941 [PubMed - indexed for MEDLINE]
48. BR96 sFv-PE40 immunotoxin: nonclinical safety assessment.  
Haggerty HG, Warner WA, Comereski CR, Peden WM, Mezza LE, Damle BD, Siegall CB, Davidson TJ. Toxicol Pathol. 1999 Jan-Feb;27(1):87-94. Review.  
PMID: 10367679 [PubMed - indexed for MEDLINE]
49. Development of a recombinant interleukin-4-Pseudomonas exotoxin for therapy of glioblastoma.  
Puri RK. Toxicol Pathol. 1999 Jan-Feb;27(1):53-7. Review.  
PMID: 10367674 [PubMed - indexed for MEDLINE]
50. Construction, expression, purification and functional analysis of recombinant 6C6 immunotoxin to human breast-tumor cells.  
Liu H, Zhu Y, Li E. Sci China C Life Sci. 1999 Jun;42(3):281-5.  
PMID: 20229342 [PubMed - in process]
51. A single-chain immunotoxin against carcinoembryonic antigen that suppresses growth of colorectal carcinoma cells.  
Akamatsu Y, Murphy JC, Nolan KF, Thomas P, Kreitman RJ, Leung SO, Junghans RP. Clin Cancer Res. 1998 Nov;4(11):2825-32.  
PMID: 9829749 [PubMed - indexed for MEDLINE]   [Free Article](#)
52. Single-chain immunotoxins targeted to CD40 for the treatment of human B-lineage hematologic malignancies.  
Francisco JA, Siegall CB. Leuk Lymphoma. 1998 Jul;30(3-4):237-45. Review.  
PMID: 9713956 [PubMed - indexed for MEDLINE]
53. Development of an immunoassay for BMS-191352, a single-chain immunotoxin, and its application to toxicokinetic studies.  
Damle B, Hollenbaugh D, Timoszyk J, Tay L, Kaul S.

J Immunoassay. 1998 May-Aug;19(2-3):145-65.  
PMID: 9682129 [PubMed - indexed for MEDLINE]

54. Rationale for the use of immunotoxins in the treatment of HIV-infected humans.  
Van Oijen MG, Preijers FW.  
J Drug Target. 1998;5(2):75-91. Review.  
PMID: 9588864 [PubMed - indexed for MEDLINE]

55. Granulosa cell tumors express erbB4 and are sensitive to the cytotoxic action of heregulin-beta2/PE40.  
Furger C, Fiddes RJ, Quinn DI, Bova RJ, Daly RJ, Sutherland RL.  
Cancer Res. 1998 May 1;58(9):1773-8.  
PMID: 9581810 [PubMed - indexed for MEDLINE] Free Article

56. Pediatric acute myelogenous leukemia cells express IL-6 receptors and are sensitive to a recombinant IL6-Pseudomonas exotoxin.  
Boayue KB, Gu L, Yeager AM, Kreitman RJ, Findley HW.  
Leukemia. 1998 Feb;12(2):182-91.  
PMID: 9519780 [PubMed - indexed for MEDLINE]

57. Autonomic neuropathy in transgenic mice caused by immunotoxin targeting of the peripheral nervous system.  
Sawada H, Nishii K, Suzuki T, Hasegawa K, Hata T, Nagatsu I, Kreitman RJ, Pastan I, Nagatsu T, Kobayashi K.  
J Neurosci Res. 1998 Jan 15;51(2):162-73.  
PMID: 9469570 [PubMed - indexed for MEDLINE]

58. Furin-mediated cleavage of Pseudomonas exotoxin-derived chimeric toxins.  
Chiron MF, Fryling CM, FitzGerald D.  
J Biol Chem. 1997 Dec 12;272(50):31707-11.  
PMID: 9395513 [PubMed - indexed for MEDLINE] Free Article

59. Prevention of immunotoxin-induced immunogenicity by coadministration with CTLA4Ig enhances antitumor efficacy.  
Siegall CB, Haggerty HG, Warner GL, Chace D, Mixan B, Linsley PS, Davidson T.  
J Immunol. 1997 Nov 15;159(10):5168-73.  
PMID: 9366448 [PubMed - indexed for MEDLINE]

60. Expression of interleukin-6 receptors by pediatric acute lymphoblastic leukemia cells with the t(4;11) translocation: a possible target for therapy with recombinant IL6-Pseudomonas exotoxin.  
Gu L, Zhou M, Jurickova I, Yeager AM, Kreitman RJ, Phillips CN, Findley HW.  
Leukemia. 1997 Oct;11(10):1779-86.  
PMID: 9324301 [PubMed - indexed for MEDLINE]

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**Results: 61 to 80 of 195**

61. Isolation of human anti-c-erbB-2 Fab from a lymph node-derived phage display library.  
Clark MA, Hawkins NJ, Papaioannou A, Fiddes RJ, Ward RL.  
*Clin Exp Immunol.* 1997 Jul;109(1):166-74.  
PMID: 9218840 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
62. In vivo efficacy and toxicity of a single-chain immunotoxin targeted to CD40.  
Francisco JA, Schreiber GJ, Comereski CR, Mezza LE, Warner GL, Davidson TJ, Ledbetter JA, Siegall CB.  
*Blood*. 1997 Jun 15;89(12):4493-500.  
PMID: 9192773 [PubMed - indexed for MEDLINE] [Free Article](#)
63. A recombinant GM-CSF-PE40 ligand toxin is functionally active but not cytotoxic to cells.  
O'Brien P, Smythe A, Biggs JC, Smith GM.  
*Immunol Cell Biol.* 1997 Jun;75(3):289-94.  
PMID: 9243295 [PubMed - indexed for MEDLINE] [Free Article](#)
64. Process optimization for large-scale production of TGF-alpha-PE40 in recombinant *Escherichia coli*: effect of medium composition and induction timing on protein expression.  
Lee C, Sun WJ, Burgess BW, Junker BH, Reddy J, Buckland BC, Greasham RL.  
*J Ind Microbiol Biotechnol.* 1997 Apr;18(4):260-6.  
PMID: 9172432 [PubMed - indexed for MEDLINE]
65. Characterization of vascular leak syndrome induced by the toxin component of *Pseudomonas* exotoxin-based immunotoxins and its potential inhibition with nonsteroidal anti-inflammatory drugs.  
Siegall CB, Liggitt D, Chace D, Mixan B, Sugai J, Davidson T, Steinitz M.  
*Clin Cancer Res.* 1997 Mar;3(3):339-45.  
PMID: 9815690 [PubMed - indexed for MEDLINE] [Free Article](#)
66. In vitro effects of a recombinant toxin, mSCF-PE40, targeting c-kit receptors ectopically expressed in small cell lung cancers.  
Nishida K, Seto M, Takahashi T, Oshima Y, Asano S, Tojo A, Ueda R.  
*Cancer Lett.* 1997 Feb 26;113(1-2):153-8.  
PMID: 9065815 [PubMed - indexed for MEDLINE]
67. Genomic analyses of *Salmonella enteritidis* phage type 4 strains from Austria and phage type 8 strains from the United States.  
Buchrieser C, Brosch R, Buchrieser O, Kristl A, Luchansky JB, Kaspar CW.  
*Zentralbl Bakteriol.* 1997 Feb;285(3):379-88.  
PMID: 9084111 [PubMed - indexed for MEDLINE]
68. Targeted elimination of cells expressing the high-affinity receptor for IgE (Fc epsilon RI) by a *Pseudomonas* exotoxin-based chimeric protein.  
Fishman A, Lorberbaum-Galski H.  
*Eur J Immunol.* 1997 Feb;27(2):486-94.  
PMID: 9045921 [PubMed - indexed for MEDLINE]
69. Therapeutic potential of anti-HIV immunotoxins.  
Pincus SH.  
*Antiviral Res.* 1996 Dec;33(1):1-9. Review.  
PMID: 8955848 [PubMed - indexed for MEDLINE]
70. Treatment of acute myelocytic leukemia with interleukin-6 *Pseudomonas* exotoxin fusion protein in a rat leukemia model.  
Rozemuller H, Rombouts WJ, Touw IP, FitzGerald DJ, Kreitman RJ, Pastan I, Hagenbeek A, Martens AC.  
*Leukemia*. 1996 Nov;10(11):1796-803.  
PMID: 8892684 [PubMed - indexed for MEDLINE]
71. A novel strategy for the negative selection in mouse embryonic stem cells operated with immunotoxin-mediated cell targeting.  
Kobayashi K, Ohye T, Pastan I, Nagatsu T.  
*Nucleic Acids Res.* 1996 Sep 15;24(18):3653-5.  
PMID: 8836200 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
72. Cytokine activation sensitizes human monocytic and endothelial cells to the cytotoxic effects of an anti-CD40 immunotoxin.  
Francisco JA, Kiener PA, Moran-Davis P, Ledbetter JA, Siegall CB.  
*J Immunol.* 1996 Aug 15;157(4):1652-8.  
PMID: 8759752 [PubMed - indexed for MEDLINE]
73. In vitro enzyme activation and folded stability of *Pseudomonas aeruginosa* exotoxin A and its C-terminal peptide.  
Beattie BK, Merrill AR.

Biochemistry. 1996 Jul 16;35(28):9042-51.  
PMID: 8703907 [PubMed - Indexed for MEDLINE]

74. **Ex vivo transduction and expansion of CD4+ lymphocytes from HIV + donors: prelude to a ribozyme gene therapy trial.**  
Leavitt MC, Yu M, Wong-Staal F, Looney DJ.  
Gene Ther. 1996 Jul;3(7):599-606.  
PMID: 8818647 [PubMed - indexed for MEDLINE]

75. **Cytotoxic effects of TGF-alpha-Pseudomonas exotoxin A fusion protein in human pancreatic carcinoma cells.**  
Baldwin RL, Kobrin MS, Tran T, Pastan I, Korc M.  
Pancreas. 1996 Jul;13(1):16-21.  
PMID: 8783329 [PubMed - indexed for MEDLINE]

76. **Preparation, cloning, and high level expression in *E. coli* of interleukin 2-pseudomonas exotoxin fusion genes.**  
Gao J, Huang H, Wang X, Xu L, Zheng Z, Liu X.  
Chin J Biotechnol. 1996;12(2):81-7.  
PMID: 8988354 [PubMed - Indexed for MEDLINE]

77. **Single-chain fusion toxins for the treatment of breast cancer: antitumor activity of BR96 sFv-PE40 and heregulin-PE40.**  
Siegall CB.  
Recent Results Cancer Res. 1996;140:51-60. Review. No abstract available.  
PMID: 8787077 [PubMed - indexed for MEDLINE]

78. **Heregulin (HRG)-induced mitogenic signaling and cytotoxic activity of a HRG/PE40 ligand toxin in human breast cancer cells.**  
Fiddes RJ, Janes PW, Sanderson GM, Sivertsen SP, Sutherland RL, Daly RJ.  
Cell Growth Differ. 1995 Dec;6(12):1567-77.  
PMID: 9019162 [PubMed - indexed for MEDLINE] [Free Article](#)

79. **Cytotoxicity of TGF alpha-PE40 and correlation to expression of epidermal growth factor receptor.**  
Berger DP, Herbstreit L, Hellerich U, Schulzke S, Dengler WA, Gallo M, Pastan I, Mertelsmann R, Fiebig HH.  
Eur J Cancer. 1995 Nov;31A(12):2067-72.  
PMID: 8562167 [PubMed - indexed for MEDLINE]

80. **Targeted therapy of carcinomas using BR96 sFv-PE40, a single-chain immunotoxin that binds to the Le(y) antigen.**  
Siegall CB.  
Semin Cancer Biol. 1995 Oct;6(5):289-95. Review.  
PMID: 8562906 [PubMed - indexed for MEDLINE]

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81. [An experimental study of corneal allograft rejection with cytotoxin IL-2-PE40]  
Wu J, Zhou G.  
Zhonghua Yan Ke Za Zhi. 1995 Sep;31(5):370-3. Chinese.  
PMID: 8706588 [PubMed - indexed for MEDLINE]
82. Cloning and expression of the gene coding for IL-2(60)-PE40, a molecular targeted protein.  
Zhang M, Zhao X, Li H, Lu S.  
Chin Med Sci J. 1995 Sep;10(3):136-40.  
PMID: 8580481 [PubMed - indexed for MEDLINE]
83. The expression, affinity purification and characterization of recombinant *Pseudomonas* exotoxin 40 (PE40) secreted from *Escherichia coli*.  
Kawooya JK, Treat JC, Kirschner RJ, Sears MW, Gorczany JF, Grode SH, Strother DS, Asmus PA, Eckenrode FM.  
J Biotechnol. 1995 Aug 15;42(1):9-22.  
PMID: 7662342 [PubMed - indexed for MEDLINE]
84. [Construction and expression of the gene CD4V1V2-PE40, coding for a molecular targeted protein against AIDS]  
Zhao X, Zhang M, Li H, Lu S.  
Zhongguo Yi Xue Ke Xue Yuan Xue Bao. 1995 Aug;17(4):248-52. Chinese.  
PMID: 8575044 [PubMed - indexed for MEDLINE]
85. Activity of a single-chain immunotoxin that selectively kills lymphoma and other B-lineage cells expressing the CD40 antigen.  
Francisco JA, Gilliland LK, Stebbins MR, Norris NA, Ledbetter JA, Siegall CB.  
Cancer Res. 1995 Jul 15;55(14):3099-104.  
PMID: 7541711 [PubMed - indexed for MEDLINE] [Free Article](#)
86. [Cloning and sequencing of the gene PE40, coding for a portion of *Pseudomonas* exotoxin A]  
Zhang M, Zhao X, Li H, Lu S.  
Zhongguo Yi Xue Ke Xue Yuan Xue Bao. 1995 Jun;17(3):161-6. Chinese.  
PMID: 8706148 [PubMed - indexed for MEDLINE]
87. [Targeted toxin therapy in the treatment of leukemia]  
Tojo A, Oshima Y.  
Rinsho Ketsueki. 1995 Jun;36(6):578-81. Japanese.  
PMID: 7543952 [PubMed - indexed for MEDLINE]
88. Interdomain interactions in the chimeric protein toxin sCD4(178)-PE40: a differential scanning calorimetry (DSC) study.  
David SR, Kienle KM, Collins BE.  
Pharm Res. 1995 May;12(5):642-8.  
PMID: 7479546 [PubMed - indexed for MEDLINE]
89. HER4 expression correlates with cytotoxicity directed by a heregulin-toxin fusion protein.  
Siegall CB, Bacus SS, Cohen BD, Plowman GD, Mixan B, Chace D, Chin DM, Goetze A, Green JM, Hellström I, et al.  
J Biol Chem. 1995 Mar 31;270(13):7625-30.  
PMID: 7535774 [PubMed - indexed for MEDLINE] [Free Article](#)
90. Immunotoxin-mediated conditional disruption of specific neurons in transgenic mice.  
Kobayashi K, Morita S, Sawada H, Mizuguchi T, Yamada K, Nagatsu I, Fujita K, Kreitman RJ, Pastan I, Nagatsu T.  
Proc Natl Acad Sci U S A. 1995 Feb 14;92(4):1132-6.  
PMID: 7862648 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
91. Ocular distribution of the chimeric protein IL2-PE40.  
BenEzra D, Maftzir G, Hochberg E, Anteby I, Lorberbaum-Galski H.  
Curr Eye Res. 1995 Feb;14(2):153-8.  
PMID: 7788107 [PubMed - indexed for MEDLINE]
92. Unique insertion sequence and pattern of CD4 expression in variants selected with immunotoxins from human immunodeficiency virus type 1-infected T cells.  
Fang H, Pincus SH.  
J Virol. 1995 Jan;69(1):75-81.  
PMID: 7983770 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
93. Use of recombinant soluble CD4 *Pseudomonas* exotoxin, a novel immunotoxin, for treatment of persons infected with human immunodeficiency virus.  
Davey RT Jr, Boenning CM, Herpin BR, Batts DH, Metcalf JA, Wathen L, Cox SR, Polis MA, Kovacs JA, Falloon J, et al.

J Infect Dis. 1994 Nov;170(5):1180-8.  
PMID: 7963711 [PubMed - indexed for MEDLINE]

94. Analysis of sequences required for the cytotoxic action of a chimeric toxin composed of *Pseudomonas* exotoxin and transforming growth factor alpha.  
Kihara A, Pastan I.  
Bioconjug Chem. 1994 Nov-Dec;5(6):532-8.  
PMID: 7873657 [PubMed - indexed for MEDLINE]

95. Failure of short-term CD4-PE40 infusions to reduce virus load in human immunodeficiency virus-infected persons.  
Ramachandran RV, Katzenstein DA, Wood R, Batts DH, Merigan TC.  
J Infect Dis. 1994 Oct;170(4):1009-13.  
PMID: 7930696 [PubMed - indexed for MEDLINE]

96. Small chimeric toxins containing only transforming growth factor alpha and domain III of *Pseudomonas* exotoxin with good antitumor activity in mice.  
Kihara A, Pastan I.  
Cancer Res. 1994 Oct 1;54(19):5154-9.  
PMID: 7923133 [PubMed - indexed for MEDLINE] [Free Article](#)

97. Prevention of immunotoxin-mediated vascular leak syndrome in rats with retention of antitumor activity.  
Siegall CB, Liggitt D, Chace D, Tepper MA, Fell HP.  
Proc Natl Acad Sci U S A. 1994 Sep 27;91(20):9514-8.  
PMID: 7937798 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

98. Mechanisms of dichotomous action of IL-2-*Pseudomonas* exotoxin 40 (IL-2-PE40) on cell-mediated and humoral immune response.  
Volk HD, Müller S, Yarkoni S, Diamantstein T, Lorberbaum-Galski H.  
J Immunol. 1994 Sep 15;153(6):2497-505.  
PMID: 8077661 [PubMed - indexed for MEDLINE]

99. Selection of *Pseudomonas* exotoxin-resistant cells with altered expression of alpha 2MR/LRP.  
Fitzgerald DJ, Fryling CM, Zdanovsky A, Saellinger CB, Kounnas M, Strickland DK, Leppia S.  
Ann N Y Acad Sci. 1994 Sep 10;737:138-44. No abstract available.  
PMID: 7944142 [PubMed - indexed for MEDLINE]

100. Epidermal growth factor receptors in human breast carcinoma cells: a potential selective target for transforming growth factor alpha-*Pseudomonas* exotoxin 40 fusion protein.  
Arteaga CL, Hurd SD, Dugger TC, Winnier AR, Robertson JB.  
Cancer Res. 1994 Sep 1;54(17):4703-9.  
PMID: 8062268 [PubMed - indexed for MEDLINE] [Free Article](#)

Display Settings: Summary, 20 per page, Sorted by Recently Added

**Results: 101 to 120 of 195**

101. A circularly permuted recombinant interleukin 4 toxin with increased activity.  
Kreitman RJ, Puri RK, Pastan I.  
*Proc Natl Acad Sci U S A.* 1994 Jul 19;91(15):6889-93.  
PMID: 8041715 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
102. Anti-Tac(Fab)-PE40, a recombinant double-chain immunotoxin which kills interleukin-2-receptor-bearing cells and induces complete remission in an *in vivo* tumor model.  
Kreitman RJ, Chang CN, Hudson DV, Queen C, Bailon P, Pastan I.  
*Int J Cancer.* 1994 Jun 15;57(6):856-64.  
PMID: 8206679 [PubMed - indexed for MEDLINE]
103. Selective toxicity of TGF-alpha-PE40 to EGFR-positive cell lines: selective protection of low EGFR-expressing cell lines by EGF.  
Kirk J, Carmichael J, Stratford IJ, Harris AL.  
*Br J Cancer.* 1994 Jun;69(6):988-94.  
PMID: 8198991 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)
104. Increased cytotoxicity of interleukin 2-pseudomonas exotoxin (IL2-PE) chimeric proteins containing a targeting signal for lysosomal membranes.  
Fishman A, Bar-Kana Y, Steinberger I, Lorberbaum-Galski H.  
*Biochemistry.* 1994 May 24;33(20):6235-43.  
PMID: 8193138 [PubMed - indexed for MEDLINE]
105. Evidence for an equilibrium intermediate in the folding-unfolding pathway of a transforming growth factor-alpha-Pseudomonas exotoxin hybrid protein.  
Gress JO, Marquis-Omer D, Middaugh CR, Sanyal G.  
*Biochemistry.* 1994 Mar 8;33(9):2620-7. Erratum in: *Biochemistry* 1994 Oct 11;33(40):12346.  
PMID: 8117724 [PubMed - indexed for MEDLINE]
106. In vitro and *in vivo* characterization of BR96 sFv-PE40. A single-chain immunotoxin fusion protein that cures human breast carcinoma xenografts in athymic mice and rats.  
Siegall CB, Chace D, Mixan B, Garrigues U, Wan H, Paul L, Wolff E, Hellström I, Hellström KE.  
*J Immunol.* 1994 Mar 1;152(5):2377-84.  
PMID: 8133048 [PubMed - indexed for MEDLINE]
107. Recombinant single-chain immunotoxins against T and B cell leukemias.  
Kreitman RJ, Pastan I.  
*Leuk Lymphoma.* 1994 Mar;13(1-2):1-10. Review.  
PMID: 8025511 [PubMed - indexed for MEDLINE]
108. Cytotoxicity of recombinant Fab and Fv immunotoxins on adult T-cell leukemia lymph node and blood cells in the presence of soluble interleukin-2 receptor.  
Saito T, Kreitman RJ, Hanada S, Makino T, Utsunomiya A, Sumizawa T, Arima T, Chang CN, Hudson D, Pastan I, et al.  
*Cancer Res.* 1994 Feb 15;54(4):1059-64.  
PMID: 8313362 [PubMed - indexed for MEDLINE]
109. Recombinant immunotoxins containing anti-Tac(Fv) and derivatives of Pseudomonas exotoxin produce complete regression in mice of an interleukin-2 receptor-expressing human carcinoma.  
Kreitman RJ, Bailon P, Chaudhary VK, FitzGerald DJ, Pastan I.  
*Blood.* 1994 Jan 15;83(2):426-34.  
PMID: 8286741 [PubMed - indexed for MEDLINE] [Free Article](#)
110. TGF alpha-PE40 inhibits non-small cell lung cancer growth.  
Draoui M, Siegall CB, FitzGerald D, Pastan I, Moody TW.  
*Life Sci.* 1994;54(7):445-53.  
PMID: 8309347 [PubMed - indexed for MEDLINE]
111. Recombinant toxins.  
Kreitman RJ, Pastan I.  
*Adv Pharmacol.* 1994;28:193-219. Review. No abstract available.  
PMID: 8080817 [PubMed - indexed for MEDLINE]
112. Cytotoxic effect of a fusion protein from transforming growth factor alpha and Pseudomonas exotoxin on rat and human bladder carcinoma cells *in vitro*.  
Kameyama S, Kawamata H, Pastan I, Oyasu R.

J Cancer Res Clin Oncol. 1994;120(9):507-12.  
PMID: 8045915 [PubMed - indexed for MEDLINE]

113. Construction and expression of high efficiency expressing plasmid of transforming growth factor alpha-Pseudomonas aeruginosa exotoxin fusion protein TGF alpha-PE40.  
Xu Y, Shen M, Zhao Q, Zhang H, Xu Y.  
Chin J Biotechnol. 1994;10(4):233-9.  
PMID: 7780019 [PubMed - indexed for MEDLINE]
114. In vivo activities of acidic fibroblast growth factor-Pseudomonas exotoxin fusion proteins.  
Siegall CB, Gawlik SL, Chace DF, Mervin JR, Pastan I.  
Bioconjug Chem. 1994 Jan-Feb;5(1):77-83.  
PMID: 7515280 [PubMed - indexed for MEDLINE]
115. Large-scale immunoaffinity purification of recombinant soluble human antigen CD4 from Escherichia coli cells.  
Wells PA, Beiderman B, Garlick RL, Lyle SB, Martin JP Jr, Herberg JT, Meyer HF, Henderson SL, Eckenrode FM.  
Biotechnol Appl Biochem. 1993 Dec;18 ( Pt 3):341-57.  
PMID: 8297511 [PubMed - indexed for MEDLINE]
116. Selection of internalization-deficient cells by interleukin-2-Pseudomonas exotoxin chimeric protein: the cytoplasmic domain of the interleukin-2 receptor beta chain does not contribute to internalization of interleukin-2.  
Furse RK, Malek TR.  
Eur J Immunol. 1993 Dec;23(12):3181-8.  
PMID: 8258333 [PubMed - indexed for MEDLINE]
117. Continuous presence of CD4-PE40 is required for antiviral activity against single-passage HIV isolates and infected peripheral blood mononuclear cells.  
Winters MA, Merigan TC.  
AIDS Res Hum Retroviruses. 1993 Nov;9(11):1091-6.  
PMID: 8312052 [PubMed - indexed for MEDLINE]
118. Purification and characterization of IL6-PE4E, a recombinant fusion of interleukin 6 with Pseudomonas exotoxin.  
Kreitman RJ, Pastan I.  
Bioconjug Chem. 1993 Nov-Dec;4(6):581-5.  
PMID: 8305530 [PubMed - indexed for MEDLINE]
119. [Specific cytotoxicity of recombinant interleukin 6-pseudomonas exotoxin fusion protein (IL6-PE40) on LT12 leukemic cells expressing high levels of interleukin 6 receptor (IL6R)]  
Xi YZ.  
Zhonghua Zhong Liu Za Zhi. 1993 Nov;15(6):419-22. Chinese.  
PMID: 8200278 [PubMed - indexed for MEDLINE]
120. Development of scale-down techniques for investigation of recombinant Escherichia coli fermentations: acid metabolites in shake flasks and stirred bioreactors.  
Dahlgren ME, Powell AL, Greasham RL, George HA.  
Biotechnol Prog. 1993 Nov-Dec;9(6):580-6.  
PMID: 7764346 [PubMed - indexed for MEDLINE]

Display Settings: Summary, 20 per page, Sorted by Recently Added

**Results: 121 to 140 of 195**

121. Basic fibroblast growth factor-Pseudomonas exotoxin chimeric proteins: comparison with acidic fibroblast growth factor-Pseudomonas exotoxin.  
Gawlak SL, Pastan I, Siegall CB.  
*Bioconjug Chem.* 1993 Nov-Dec;4(6):483-9.  
PMID: 7508267 [PubMed - indexed for MEDLINE]

122. Polyethylene glycol-modified chimeric toxin composed of transforming growth factor alpha and Pseudomonas exotoxin.  
Wang QC, Pai LH, Debinski W, FitzGerald DJ, Pastan I.  
*Cancer Res.* 1993 Oct 1;53(19):4588-94.  
PMID: 8402632 [PubMed - indexed for MEDLINE]

123. Cytotoxicity and antitumor effects of growth factor-toxin fusion proteins on human glioblastoma multiforme cells.  
Kunwar S, Pai LH, Pastan I.  
*J Neurosurg.* 1993 Oct;79(4):569-76.  
PMID: 7692018 [PubMed - indexed for MEDLINE]

124. A transforming growth factor-alpha-Pseudomonas exotoxin hybrid protein undergoes pH-dependent conformational changes conducive to membrane interaction.  
Sanyal G, Marquis-Omer D, Gress JO, Middaugh CR.  
*Biochemistry.* 1993 Apr 6;32(13):3488-97.  
PMID: 8461310 [PubMed - indexed for MEDLINE]

125. Cytotoxic activities of recombinant immunotoxins composed of Pseudomonas toxin or diphtheria toxin toward lymphocytes from patients with adult T-cell leukemia.  
Kreitman RJ, Chaudhary VK, Waldmann TA, Hanchard B, Cranston B, FitzGerald DJ, Pastan I.  
*Leukemia.* 1993 Apr;7(4):553-62.  
PMID: 8464234 [PubMed - indexed for MEDLINE]

126. Antitumor activity of the single-chain immunotoxin BR96 sFv-PE40 against established breast and lung tumor xenografts.  
Friedman PN, Chace DF, Trail PA, Siegall CB.  
*J Immunol.* 1993 Apr 1;150(7):3054-61.  
PMID: 8454873 [PubMed - indexed for MEDLINE]

127. Characterization of single-chain antibody (sFv)-toxin fusion proteins produced in vitro in rabbit reticulocyte lysate.  
Nicholls PJ, Johnson VG, Andrew SM, Hoogenboom HR, Raus JC, Youle RJ.  
*J Biol Chem.* 1993 Mar 5;268(7):5302-8.  
PMID: 8444903 [PubMed - indexed for MEDLINE]

128. Heparin-binding transforming growth factor alpha-Pseudomonas exotoxin A. A heparan sulfate-modulated recombinant toxin cytotoxic to cancer cells and proliferating smooth muscle cells.  
Mesri EA, Kreitman RJ, Fu YM, Epstein SE, Pastan I.  
*J Biol Chem.* 1993 Mar 5;268(7):4853-62.  
PMID: 8444864 [PubMed - indexed for MEDLINE]

129. Insertion of constant region domains of human IgG1 into CD4-PE40 increases its plasma half-life.  
Batra JK, Kasturi S, Gallo MG, Voorman RL, Maio SM, Chaudhary VK, Pastan I.  
*Mol Immunol.* 1993 Mar;30(4):379-86.  
PMID: 8455638 [PubMed - indexed for MEDLINE]

130. Single-chain immunotoxin fusions between anti-Tac and Pseudomonas exotoxin: relative importance of the two toxin disulfide bonds.  
Kreitman RJ, Batra JK, Seetharam S, Chaudhary VK, FitzGerald DJ, Pastan I.  
*Bioconjug Chem.* 1993 Mar-Apr;4(2):112-20.  
PMID: 7873642 [PubMed - indexed for MEDLINE]

131. Immunotoxins made with a recombinant form of Pseudomonas exotoxin A that do not require proteolysis for activity.  
Theuer CP, Kreitman RJ, FitzGerald DJ, Pastan I.  
*Cancer Res.* 1993 Jan 15;53(2):340-7.  
PMID: 8417828 [PubMed - indexed for MEDLINE] [Free Article](#)

132. BR96 sFv-PE40, a potent single-chain immunotoxin that selectively kills carcinoma cells.  
Friedman PN, McAndrew SJ, Gawlak SL, Chace D, Trail PA, Brown JP, Siegall CB.  
*Cancer Res.* 1993 Jan 15;53(2):334-9.  
PMID: 8417827 [PubMed - indexed for MEDLINE] [Free Article](#)

133. M1k-beta 1(Fv)-PE40, a recombinant immunotoxin cytotoxic toward cells bearing the beta-chain of the IL-2 receptor.

Kreitman RJ, Schneider WP, Queen C, Tsudo M, Fitzgerald DJ, Waldmann TA, Pastan I. J Immunol. 1992 Oct 15;149(8):2810-5. PMID: 1401913 [PubMed - indexed for MEDLINE]

134. Monovalent immunotoxin containing truncated form of *Pseudomonas* exotoxin as potent antitumor agent. Debinski W, Pastan I. Cancer Res. 1992 Oct 1;52(19):5379-85. PMID: 1394141 [PubMed - indexed for MEDLINE] Free Article

135. In vitro and in vivo suppression of interleukin-2-activated killer cell activity by chimeric proteins between interleukin-2 and *Pseudomonas* exotoxin. Puri RK, Fitzgerald D, Leland P, Kozak RW, Pastan I. Cell Immunol. 1992 Sep;143(2):324-34. PMID: 1511480 [PubMed - indexed for MEDLINE]

136. Quantitative assay for testing susceptibility of HIV isolates to zidovudine and sCD4 (178)-PE40. Verhoef J, Gekker G, Erice A, Peterson PK, Balfour HH. Eur J Clin Microbiol Infect Dis. 1992 Aug;11(8):715-21. PMID: 1425730 [PubMed - indexed for MEDLINE]

137. Physiological effects of TGF(alpha)-PE40 expression in recombinant *Escherichia coli* JM109. George HA, Powell AL, Dahlgren ME, Herber WK, Maigetter RZ, Burgess BW, Stirdvant SM, Greasham RL. Biotechnol Bioeng. 1992 Jul;40(3):437-45. PMID: 18601135 [PubMed]

138. Recombinant anti-erbB2 immunotoxins containing *Pseudomonas* exotoxin. Batra JK, Kasprzyk PG, Bird RE, Pastan I, King CR. Proc Natl Acad Sci U S A. 1992 Jul 1;89(13):5867-71. PMID: 1352878 [PubMed - indexed for MEDLINE] Free PMC Article Free text

139. Antitumor effects of B3-PE and B3-LysPE40 in a nude mouse model of human breast cancer and the evaluation of B3-PE toxicity in monkeys. Pai LH, Batra JK, Fitzgerald DJ, Willingham MC, Pastan I. Cancer Res. 1992 Jun 1;52(11):3189-93. PMID: 1591729 [PubMed - indexed for MEDLINE] Free Article

140. Membrane-based receptor affinity chromatography. Nachman M, Azad AR, Bailon P. J Chromatogr. 1992 Apr 24;597(1-2):155-66. PMID: 1517311 [PubMed - indexed for MEDLINE]

Display Settings: Summary, 20 per page, Sorted by Recently Added

**Results: 141 to 160 of 195**

141. **Activity of CD4-Pseudomonas exotoxin against cells expressing diverse forms of the HIV and SIV envelope glycoproteins.**  
Ashorn P, Moss B, Berger EA.  
*J Acquir Immune Defic Syndr.* 1992;5(1):70-7.  
PMID: 1738090 [PubMed - indexed for MEDLINE]

142. **Characterization of the antigen (CAK1) recognized by monoclonal antibody K1 present on ovarian cancers and normal mesothelium.**  
Chang K, Pai LH, Batra JK, Pastan I, Willingham MC.  
*Cancer Res.* 1992 Jan 1;52(1):181-6.  
PMID: 1727378 [PubMed - indexed for MEDLINE] Free Article

143. **In vivo studies with chimeric toxins: Interleukin-2 fusion toxins as immunosuppressive agents.**  
Shapiro ME, Kirkman RL, Kelley VR, Bacha P, Nichols JC, Strom TB.  
*Targeted Diagn Ther.* 1992;7:383-93. Review. No abstract available.  
PMID: 1633300 [PubMed - indexed for MEDLINE]

144. **Properties of chimeric toxins with two recognition domains: interleukin 6 and transforming growth factor alpha at different locations in Pseudomonas exotoxin.**  
Kreitman RJ, Siegall CB, Chaudhary VK, FitzGerald DJ, Pastan I.  
*Biocjug Chem.* 1992 Jan-Feb;3(1):63-8.  
PMID: 1616951 [PubMed - indexed for MEDLINE]

145. **Rational design of a chimeric toxin: an intramolecular location for the insertion of transforming growth factor alpha within Pseudomonas exotoxin as a targeting ligand.**  
Kreitman RJ, Chaudhary VK, Siegall CB, FitzGerald DJ, Pastan I.  
*Biocjug Chem.* 1992 Jan-Feb;3(1):58-62.  
PMID: 1616950 [PubMed - indexed for MEDLINE]

146. **The effects of transferrin receptor antibody, transferrin receptor antibody bound to Pseudomonas exotoxin and transforming growth factor-alpha bound to Pseudomonas exotoxin on human tenon's capsule fibroblast proliferation.**  
Smyth RJ, Kitada S, Lee DA.  
*J Ocul Pharmacol.* 1992 Spring;8(1):83-90.  
PMID: 1402298 [PubMed - indexed for MEDLINE]

147. **B3(Fv)-PE38KDEL, a single-chain immunotoxin that causes complete regression of a human carcinoma in mice.**  
Brinkmann U, Pai LH, FitzGerald DJ, Willingham M, Pastan I.  
*Proc Natl Acad Sci U S A.* 1991 Oct 1;88(19):8616-20.  
PMID: 1924323 [PubMed - indexed for MEDLINE] Free PMC Article Free text

148. **Effects of a soluble CD4 and CD4-Pseudomonas exotoxin A chimeric protein on human peripheral blood lymphocytes: lymphocyte activation and anti-HIV activity in vitro.**  
Rubino KL, Tarpley WG, Nicholas JA.  
*Antiviral Res.* 1991 Oct;16(3):267-79.  
PMID: 1805685 [PubMed - indexed for MEDLINE]

149. **Increased cytotoxic activity of Pseudomonas exotoxin and two chimeric toxins ending in KDEL.**  
Seetharam S, Chaudhary VK, FitzGerald D, Pastan I.  
*J Biol Chem.* 1991 Sep 15;266(26):17376-81.  
PMID: 1910044 [PubMed - indexed for MEDLINE]

150. **Treatment of corneal allograft rejection with the cytotoxin IL-2-PE40.**  
Herbort CP, de Smet MD, Roberge FG, Nussenblatt RB, FitzGerald D, Lorberbaum-Galski H, Pastan I.  
*Transplantation.* 1991 Sep;52(3):470-4.  
PMID: 1897019 [PubMed - indexed for MEDLINE]

151. **Soluble CD4-PE40 is cytotoxic for a transfected mammalian cell line stably expressing the envelope protein of human immunodeficiency virus (HIV-1), and cytotoxicity is variably inhibited by the sera of HIV-1-infected patients.**  
Pitts TW, Bohanon MJ, Leach MF, McQuade TJ, Marschke CK, Merritt JA, Wierenga W, Nicholas JA.  
*AIDS Res Hum Retroviruses.* 1991 Sep;7(9):741-50.  
PMID: 1742081 [PubMed - indexed for MEDLINE]

152. **Cytotoxic effects of a recombinant chimeric toxin on rapidly proliferating vascular smooth muscle cells.**  
Epstein SE, Siegall CB, Biro S, Fu YM, FitzGerald D, Pastan I.  
*Circulation.* 1991 Aug;84(2):778-87.  
PMID: 1860221 [PubMed - indexed for MEDLINE]

153. Analysis of sequences in domain II of *Pseudomonas* exotoxin A which mediate translocation.  
Siegall CB, Ogata M, Pastan I, FitzGerald DJ.  
*Biochemistry*. 1991 Jul 23;30(29):7154-9.  
PMID: 1906738 [PubMed - indexed for MEDLINE]

154. Expression of high-affinity interleukin 4 receptors on murine sarcoma cells and receptor-mediated cytotoxicity of tumor cells to chimeric protein between interleukin 4 and *Pseudomonas* exotoxin.  
Puri RK, Ogata M, Leland P, Feldman GM, FitzGerald D, Pastan I.  
*Cancer Res.* 1991 Jun 1;51(11):3011-7.  
PMID: 2032239 [PubMed - indexed for MEDLINE] [Free Article](#)

155. Antitumor activity of a transforming growth factor alpha-*Pseudomonas* exotoxin fusion protein (TGF-alpha-PE40).  
Pai LH, Gallo MG, FitzGerald DJ, Pastan I.  
*Cancer Res.* 1991 Jun 1;51(11):2808-12.  
PMID: 2032221 [PubMed - indexed for MEDLINE] [Free Article](#)

156. Antitumor effects of interleukin 6-*Pseudomonas* exotoxin chimeric molecules against the human hepatocellular carcinoma, PLC/PRF/5, in mice.  
Siegall CB, Kreitman RJ, FitzGerald DJ, Pastan I.  
*Cancer Res.* 1991 Jun 1;51(11):2831-6.  
PMID: 1851660 [PubMed - indexed for MEDLINE] [Free Article](#)

157. Chimeric cytotoxin IL2-PE40 inhibits relapsing experimental allergic encephalomyelitis.  
Rose JW, Lorberbaum-Galski H, Fitzgerald D, McCarron R, Hill KE, Townsend JJ, Pastan I.  
*J Neuroimmunol.* 1991 Jun;32(3):209-17.  
PMID: 1709644 [PubMed - indexed for MEDLINE]

158. Anti-HIV activity of CD4-*Pseudomonas* exotoxin on infected primary human lymphocytes and monocyte/macrophages.  
Ashorn P, Englund G, Martin MA, Moss B, Berger EA.  
*J Infect Dis.* 1991 Apr;163(4):703-9.  
PMID: 2010626 [PubMed - indexed for MEDLINE]

159. Single-chain immunotoxins directed at the human transferrin receptor containing *Pseudomonas* exotoxin A or diphtheria toxin: anti-TFR (Fv)-PE40 and DT388-anti-TFR(Fv).  
Batra JK, Fitzgerald DJ, Chaudhary VK, Pastan I.  
*Mol Cell Biol.* 1991 Apr;11(4):2200-5.  
PMID: 2005905 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

160. Immunospecific suppression of encephalitogenic-activated T lymphocytes by chimeric cytotoxin IL-2-PE40.  
Berraud E, Lorberbaum-Galski H, Chan CC, FitzGerald D, Pastan I, Nussenblatt RB.  
*Cell Immunol.* 1991 Apr 1;133(2):379-89.  
PMID: 1707763 [PubMed - indexed for MEDLINE]

Display Settings: Summary, 20 per page, Sorted by Recently Added

## Results: 161 to 180 of 195

161. Biological activity of a transforming growth factor-alpha-Pseudomonas exotoxin fusion protein in vitro and in vivo.  
Heimbrook DC, Stirdvant SM, Ahern JD, Balishin NL, Patrick DR, Edwards GM, Defeo-Jones D, Fitzgerald DJ, Pastan I, Oliff A.  
*J Ind Microbiol.* 1991 Apr;7(3):203-7.  
PMID: 1367127 [PubMed - indexed for MEDLINE]

162. Substitution of foreign protein sequences into a chimeric toxin composed of transforming growth factor alpha and Pseudomonas exotoxin.  
Debinski W, Siegall CB, Fitzgerald D, Pastan I.  
*Mol Cell Biol.* 1991 Mar;11(3):1751-3.  
PMID: 1671711 [PubMed - indexed for MEDLINE] Free PMC Article Free text

163. Administration of IL-2-PE40 via osmotic pumps prevents adjuvant induced arthritis in rats. Improved therapeutic index of IL-2-PE40 administered by continuous infusion.  
Lorberbaum-Galski H, Lafyatis R, Case JP, Fitzgerald D, Wilder RL, Pastan I.  
*Int J Immunopharmacol.* 1991;13(2-3):305-15.  
PMID: 2071302 [PubMed - indexed for MEDLINE]

164. Cytotoxic activity of a recombinant fusion protein between insulin-like growth factor I and Pseudomonas exotoxin.  
Prior TI, Helman LJ, Fitzgerald DJ, Pastan I.  
*Cancer Res.* 1991 Jan 1;51(1):174-80.  
PMID: 1846308 [PubMed - indexed for MEDLINE] Free Article

165. Analysis of Pseudomonas exotoxin activation and conformational changes by using monoclonal antibodies as probes.  
Ogata M, Pastan I, Fitzgerald D.  
*Infect Immun.* 1991 Jan;59(1):407-14.  
PMID: 1702764 [PubMed - indexed for MEDLINE] Free PMC Article Free text

166. The recombinant immunotoxin anti-Tac(Fv)-Pseudomonas exotoxin 40 is cytotoxic toward peripheral blood malignant cells from patients with adult T-cell leukemia.  
Kreitman RJ, Chaudhary VK, Waldmann T, Willingham MC, Fitzgerald DJ, Pastan I.  
*Proc Natl Acad Sci U S A.* 1990 Nov;87(21):8291-5.  
PMID: 2236041 [PubMed - indexed for MEDLINE] Free PMC Article Free text

167. Elimination of infectious human immunodeficiency virus from human T-cell cultures by synergistic action of CD4-Pseudomonas exotoxin and reverse transcriptase inhibitors.  
Ashorn P, Moss B, Weinstein JN, Chaudhary VK, Fitzgerald DJ, Pastan I, Berger EA.  
*Proc Natl Acad Sci U S A.* 1990 Nov;87(22):8889-93.  
PMID: 1701055 [PubMed - indexed for MEDLINE] Free PMC Article Free text

168. IL-2-PE40 prevents the development of tumors in mice injected with IL-2 receptor expressing EL4 transfectant tumor cells.  
Kozak RW, Lorberbaum-Galski H, Jones L, Puri RK, Willingham MC, Malek T, Fitzgerald DJ, Waldmann TA, Pastan I.  
*J Immunol.* 1990 Oct 15;145(8):2766-71.  
PMID: 2212661 [PubMed - indexed for MEDLINE]

169. Cytotoxicity of IL6-PE40 and derivatives on tumor cells expressing a range of interleukin 6 receptor levels.  
Siegall CB, Fitzgerald DJ, Pastan I.  
*J Biol Chem.* 1990 Sep 25;265(27):16318-23.  
PMID: 2118904 [PubMed - indexed for MEDLINE]

170. IL2-PE664Glu, a new chimeric protein cytotoxic to human-activated T lymphocytes.  
Lorberbaum-Galski H, Garsia RJ, Gately M, Brown PS, Clark RE, Waldmann TA, Chaudhary VK, Fitzgerald DJ, Pastan I.  
*J Biol Chem.* 1990 Sep 25;265(27):16311-7.  
PMID: 1975810 [PubMed - indexed for MEDLINE]

171. Anti-Tac(Fv)-PE40, a single chain antibody Pseudomonas fusion protein directed at interleukin 2 receptor bearing cells.  
Batra JK, Fitzgerald D, Gately M, Chaudhary VK, Pastan I.  
*J Biol Chem.* 1990 Sep 5;265(25):15198-202.  
PMID: 2118522 [PubMed - indexed for MEDLINE]

172. TGF alpha-anti-Tac(Fv)-PE40: a bifunctional toxin cytotoxic for cells with EGF or IL2 receptors.  
Batra JK, Chaudhary VK, Fitzgerald D, Pastan I.  
*Biochem Biophys Res Commun.* 1990 Aug 31;171(1):1-6.  
PMID: 2393383 [PubMed - indexed for MEDLINE]

173. Specificity and inhibition of proteases from human immunodeficiency viruses 1 and 2.

Tomasselli AG, Hui JO, Sawyer TK, Staples DJ, Bannow C, Reardon IM, Howe WJ, DeCamp DL, Craik CS, Heinrikson RL.

J Biol Chem. 1990 Aug 25;265(24):14675-83.

PMID: 2201691 [PubMed - indexed for MEDLINE]

174. Transforming growth factor alpha-Pseudomonas exotoxin fusion protein prolongs survival of nude mice bearing tumor xenografts. Heimbrook DC, Stirdvant SM, Ahern JD, Balishin NL, Patrick DR, Edwards GM, Defeo-Jones D, Fitzgerald DJ, Pastan I, Oliff A. Proc Natl Acad Sci U S A. 1990 Jun;87(12):4697-701. [Free PMC Article](#) [Free text](#)

175. Purification of the IL-2 receptor (TAC) by ligand-affinity chromatography and utilization of the immobilized receptor for receptor-affinity chromatography (RAC) purification of IL-2, mutant IL-2, and IL-2 fusion proteins. Smart JE, Familietti PC, Weber DV, Keeney RF, Bailon P. J Invest Dermatol. 1990 Jun;94(6 Suppl):158S-163S. [PMID: 2351848 \[PubMed - indexed for MEDLINE\]](#)

176. Cell-specific toxicity of a chimeric protein composed of interleukin-6 and Pseudomonas exotoxin (IL-6-PE40) on tumor cells. Siegall CB, Nordan RP, Fitzgerald DJ, Pastan I. Mol Cell Biol. 1990 Jun;10(6):2443-7. Erratum in: Mol Cell Biol 1990 Aug;10(8):4438. [PMID: 2180579 \[PubMed - indexed for MEDLINE\]](#) [Free PMC Article](#) [Free text](#)

177. Recombinant CD4-Pseudomonas exotoxin hybrid protein displays HIV-specific cytotoxicity without affecting MHC class II-dependent functions. Berger EA, Chaudhary VK, Clouse KA, Jaraquemada D, Nicholas JA, Rubino KL, Fitzgerald DJ, Pastan I, Moss B. AIDS Res Hum Retroviruses. 1990 Jun;6(6):795-804. [PMID: 2114147 \[PubMed - indexed for MEDLINE\]](#)

178. Anti-HIV effects of CD4-Pseudomonas exotoxin on human lymphocyte and monocyte/macrophage cell lines. Ashorn P, Moss B, Berger EA. Ann N Y Acad Sci. 1990;616:149-54. [PMID: 2078015 \[PubMed - indexed for MEDLINE\]](#)

179. Cytotoxic activities of a fusion protein comprised of TGF alpha and Pseudomonas exotoxin. Siegall CB, Xu YH, Chaudhary VK, Adhya S, Fitzgerald D, Pastan I. FASEB J. 1989 Dec;3(14):2647-52. [PMID: 2556314 \[PubMed - indexed for MEDLINE\]](#) [Free Article](#)

180. Selective immunosuppression of activated T cells with the chimeric toxin IL-2-PE40. Inhibition of experimental autoimmune uveoretinitis. Roberge FG, Lorberboum-Galski H, Le Hoang P, de Smet M, Chan CC, Fitzgerald D, Pastan I. J Immunol. 1989 Dec 1;143(11):3498-502. [PMID: 2511243 \[PubMed - indexed for MEDLINE\]](#)

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**Results: 181 to 195 of 195**

181. CD4-Pseudomonas exotoxin hybrid protein blocks the spread of human immunodeficiency virus infection in vitro and is active against cells expressing the envelope glycoproteins from diverse primate immunodeficiency retroviruses.  
Berger EA, Clouse KA, Chaudhary VK, Chakrabarti S, FitzGerald DJ, Pastan I, Moss B.  
Proc Natl Acad Sci U S A. 1989 Dec;86(23):9539-43.  
PMID: 2480605 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

182. Functional analysis of domains II, Ib, and III of Pseudomonas exotoxin.  
Siegall CB, Chaudhary VK, FitzGerald DJ, Pastan I.  
J Biol Chem. 1989 Aug 25;264(24):14256-61.  
PMID: 2503515 [PubMed - indexed for MEDLINE]

183. Epidermal growth factor receptor binding is affected by structural determinants in the toxin domain of transforming growth factor-alpha-Pseudomonas exotoxin fusion proteins.  
Edwards GM, DeFeo-Jones D, Tai JY, Vuocolo GA, Patrick DR, Heimbrook DC, Oliff A.  
Mol Cell Biol. 1989 Jul;9(7):2860-7.  
PMID: 2779550 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

184. Cytotoxic activity of a recombinant fusion protein between interleukin 4 and Pseudomonas exotoxin.  
Ogata M, Chaudhary VK, FitzGerald DJ, Pastan I.  
Proc Natl Acad Sci U S A. 1989 Jun;86(11):4215-9.  
PMID: 2657746 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

185. A recombinant immunotoxin consisting of two antibody variable domains fused to Pseudomonas exotoxin.  
Chaudhary VK, Queen C, Junghans RP, Waldmann TA, FitzGerald DJ, Pastan I.  
Nature. 1989 Jun 1;339(6223):394-7.  
PMID: 2498664 [PubMed - indexed for MEDLINE]

186. Cardiac allograft survival in mice treated with IL-2-PE40.  
Lorberboum-Galski H, Barrett LV, Kirkman RL, Ogata M, Willingham MC, FitzGerald DJ, Pastan I.  
Proc Natl Acad Sci U S A. 1989 Feb;86(3):1008-12.  
PMID: 2644640 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

187. Chimeric cytotoxin IL2-PE40 delays and mitigates adjuvant-induced arthritis in rats.  
Case JP, Lorberboum-Galski H, Lafyatis R, FitzGerald D, Wilder RL, Pastan I.  
Proc Natl Acad Sci U S A. 1989 Jan;86(1):287-91.  
PMID: 2492102 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

188. IL-2-PE40 is cytotoxic for activated T lymphocytes expressing IL-2 receptors.  
Ogata M, Lorberboum-Galski H, FitzGerald D, Pastan I.  
J Immunol. 1988 Dec 15;141(12):4224-8.  
PMID: 3264309 [PubMed - indexed for MEDLINE]

189. Interleukin 2 (IL2) PE40 is cytotoxic to cells displaying either the p55 or p70 subunit of the IL2 receptor.  
Lorberboum-Galski H, Kozak RW, Waldmann TA, Ballon P, FitzGerald DJ, Pastan I.  
J Biol Chem. 1988 Dec 15;263(35):18650-6.  
PMID: 3143716 [PubMed - indexed for MEDLINE]

190. Cytotoxic activity of an interleukin 6-Pseudomonas exotoxin fusion protein on human myeloma cells.  
Siegall CB, Chaudhary VK, FitzGerald DJ, Pastan I.  
Proc Natl Acad Sci U S A. 1988 Dec;85(24):9738-42.  
PMID: 3264406 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

191. Activity of immunotoxins constructed with modified Pseudomonas exotoxin A lacking the cell recognition domain.  
Kondo T, FitzGerald D, Chaudhary VK, Adhya S, Pastan I.  
J Biol Chem. 1988 Jul 5;263(19):9470-5.  
PMID: 3132465 [PubMed - indexed for MEDLINE]

192. Cytotoxic activity of an interleukin 2-Pseudomonas exotoxin chimeric protein produced in *Escherichia coli*.  
Lorberboum-Galski H, FitzGerald D, Chaudhary V, Adhya S, Pastan I.  
Proc Natl Acad Sci U S A. 1988 Mar;85(6):1922-6.  
PMID: 3126499 [PubMed - indexed for MEDLINE] [Free PMC Article](#) [Free text](#)

193. Linkage studies in peripheral neurofibromatosis.  
Pericak-Vance MA, Yamaoka LH, Vance JM, Aylsworth AS, Rossenwasser GO, Gaskell PC Jr, Alberts MJ, Hung WY, Haynes C, Roses AD.

J Med Genet. 1987 Sep;24(9):530-2.

PMID: 3118033 [PubMed - indexed for MEDLINE] Free PMC Article Free text

194. Activity of a recombinant fusion protein between transforming growth factor type alpha and *Pseudomonas* toxin.

Chaudhary VK, FitzGerald DJ, Adhya S, Pastan I.

Proc Natl Acad Sci U S A. 1987 Jul;84(13):4538-42.

PMID: 3299371 [PubMed - indexed for MEDLINE] Free PMC Article Free text

195. Molecular species of phospholipid in rat hepatomas and in fetal, regenerating, and adult rat livers.

Satouchi K, Mizuno T, Samejima Y, Saito K.

Cancer Res. 1984 Apr;44(4):1460-4.

PMID: 6704962 [PubMed - indexed for MEDLINE] Free Article